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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/672,908      | 09/28/2000  | Yutaka Hasegawa      | 39303-20205.00      | 7896             |

25224 7590 05/22/2002

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EXAMINER

FLETCHER, MARLON T

ART UNIT PAPER NUMBER

2837

DATE MAILED: 05/22/2002

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/672,908

Applicant(s)

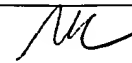
HASEGAWA ET AL.

Examiner

Marlon T Fletcher

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 28 September 2000.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-113 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-113 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

**Priority under 35 U.S.C. §§ 119 and 120**

- 13) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2.
- 4) ☐ Interview Summary (PTO-413) Paper No(s) \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## DETAILED ACTION

### *Claim Rejections - 35 USC § 103*

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-113 are rejected under 35 U.S.C. 103(a) as being unpatentable over James (6,069,310) in view of Tien et al. (6,381,452).

James discloses an electronic musical instrument (10) which treats music information associated to music tones and which can be coupled to a terminal set (100) which could be wireless as discussed in column 5, lines 33-40, communicable with a public communication network (160), comprising: a main block (104) that processes music information for generation of music tones, the processed music information being transferable for effecting remote generation of the music tones; a memory block (130/106) that is controlled for memorizing music information; and a control block (20) that controls the memory block to memorize the processed music information and to feed the memorized music information to the mobile wireless terminal set for transfer of the music information through the public communication network (160).

James does not specifically disclose a mobile terminal set nor the use of card slot for a data communication card.

However, Tien et al. disclose an electronic device (Figure 5) which treats music

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information associated to music tones and which can be coupled to a mobile wireless terminal set (1) discussed in column 1, lines 47-49, communicable with a public communication network (4), comprising: a main block (2) that processes music information for generation of music tones, the processed music information being transferable for effecting remote generation of the music tones; a memory block (122) that is controlled for memorizing music information; and a control block (3) that controls the memory block to memorize the processed music information and to feed the memorized music information to the mobile wireless terminal set for transfer of the music information through the public communication network (4).

Tien et al. disclose the electronic musical instrument, further comprising a card slot provided for receiving therein a data communication card such that the mobile wireless terminal set is detachably coupled to the received data communication card by a connection cable as discussed in column 2, lines 10-17.

Tien et al. discloses the electronic musical instrument, further comprising a connector provided for engagement with another connector provided in the mobile wireless terminal set such that the mobile wireless terminal set is detachably coupled to the connector as seen in figures 2 and 5.

It would have been obvious to one of ordinary skill in the art at the time of the invention to utilize the teachings of Tien et al. with the apparatus and method of James, because Tien et al. enhance the apparatus of James by the use of a card memory device and further recites the use of a mobile terminal set such as a cellular telephone, wherein transmission of the music can be done through the mobile terminal. It can be

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seen in James that the transmitting and receiving terminal units (computers) can be wireless and therefore mobile. Therefore, James is enhance by the direct disclosure of Tien et al., which provides a wireless mobile terminal set for transmitting music information.

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Lin et al. (6,366,791) is provided to show a unit (computer/ music generator) for transmitting music via a wireless mobile terminal set over a public communication network.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marlon T Fletcher whose telephone number is 703-308-0848. The examiner can normally be reached on M-F.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Nappi can be reached on 703-308-3370. The fax phone numbers for the organization where this application or proceeding is assigned are 703-308-7722 for regular communications and 703-308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

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Marlon T. Fletcher  
Primary Examiner  
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MTF

May 20, 2002